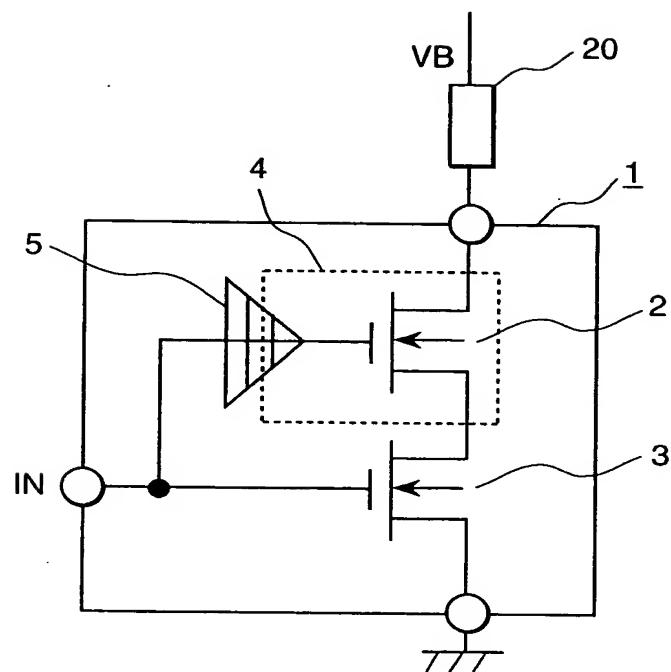
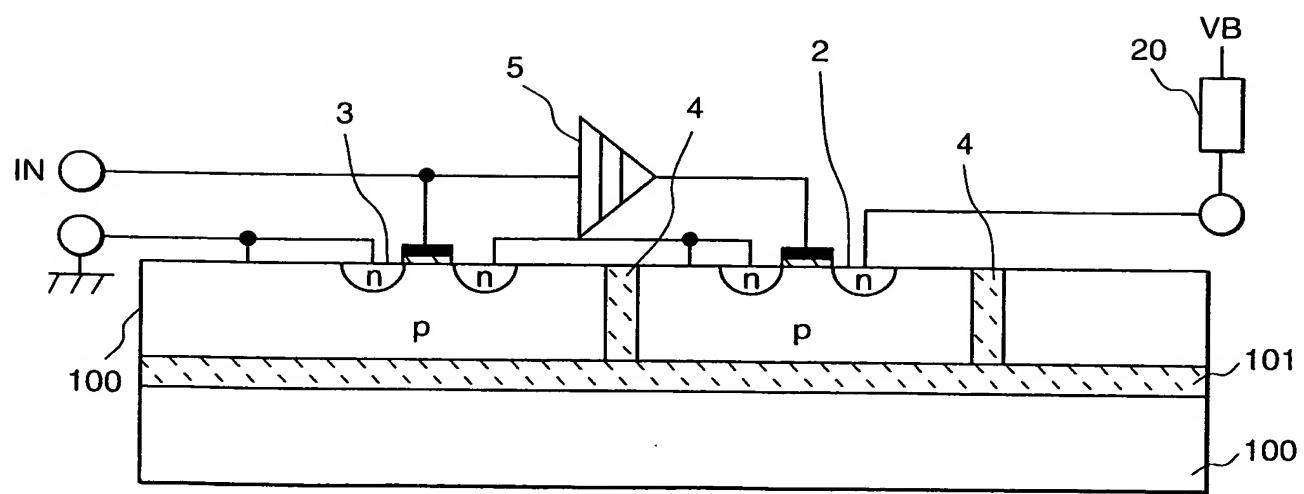
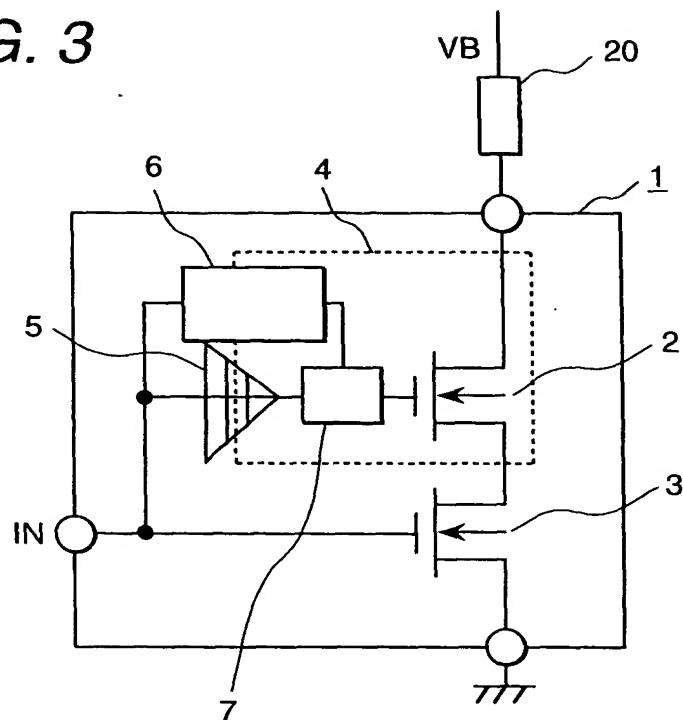
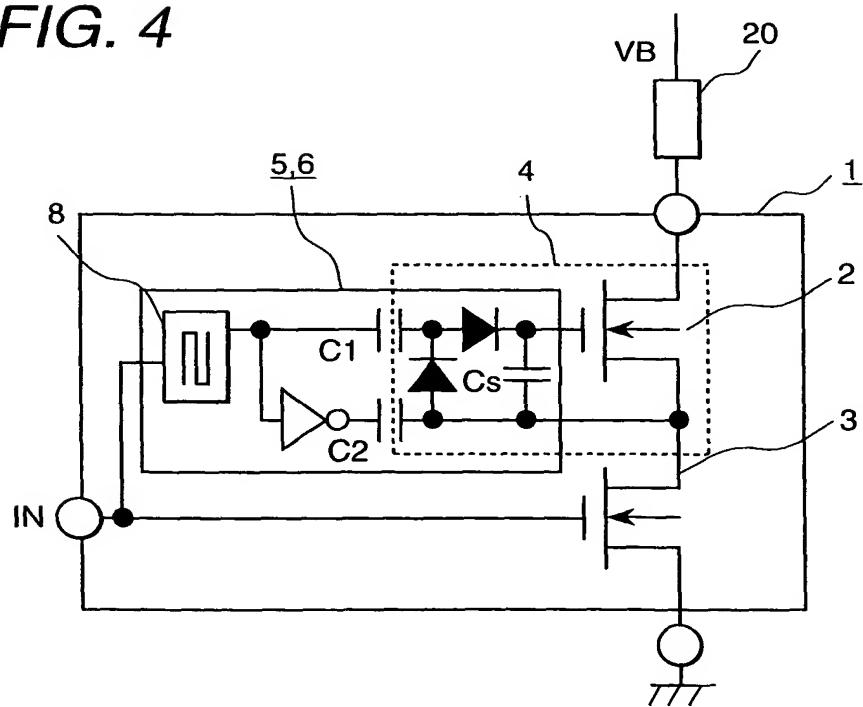
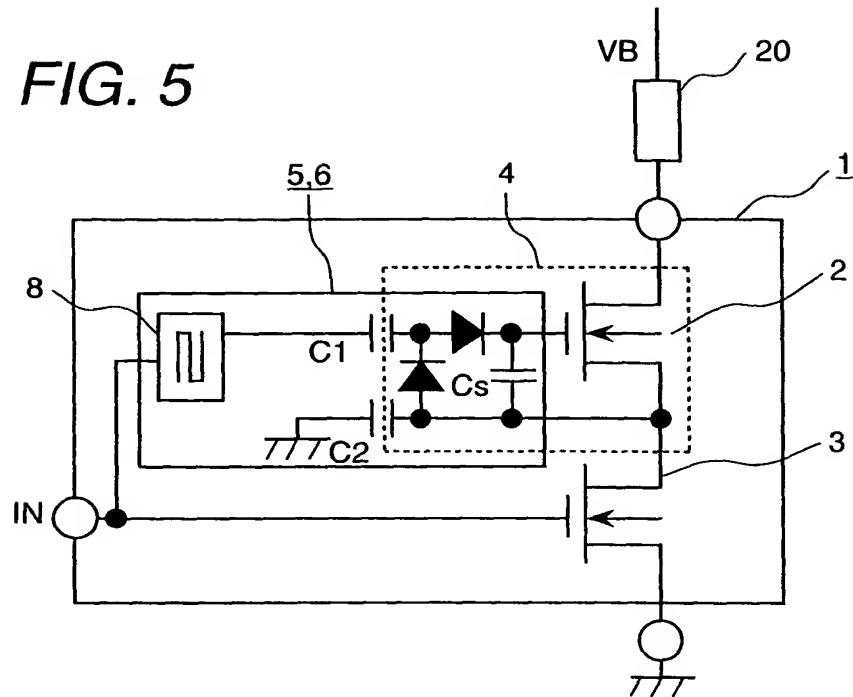
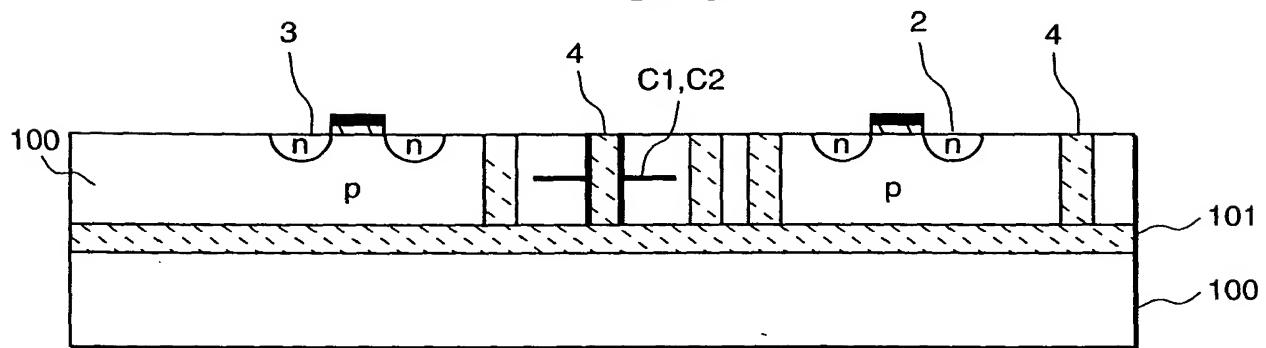
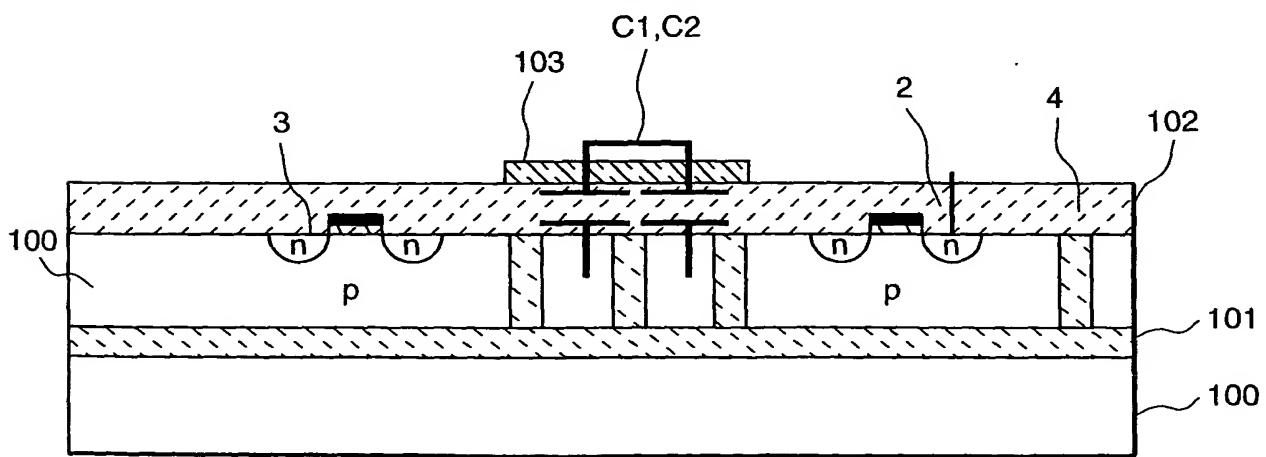
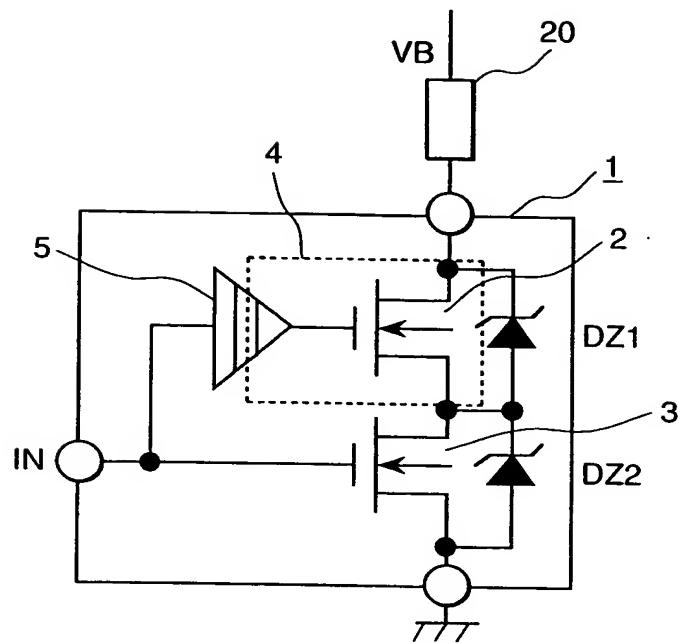
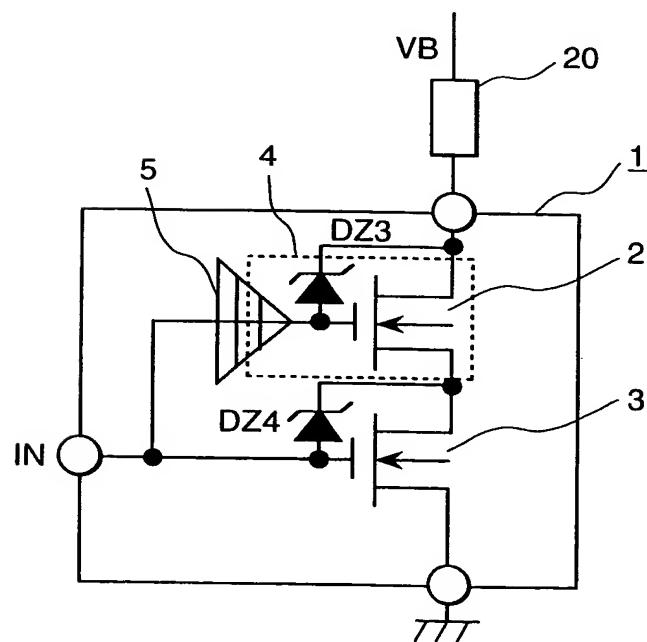
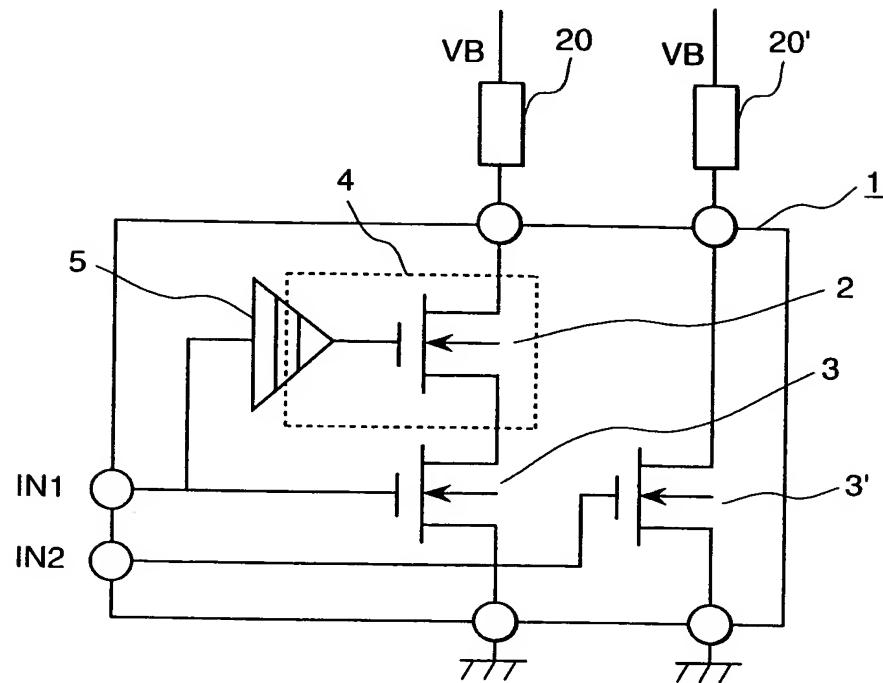
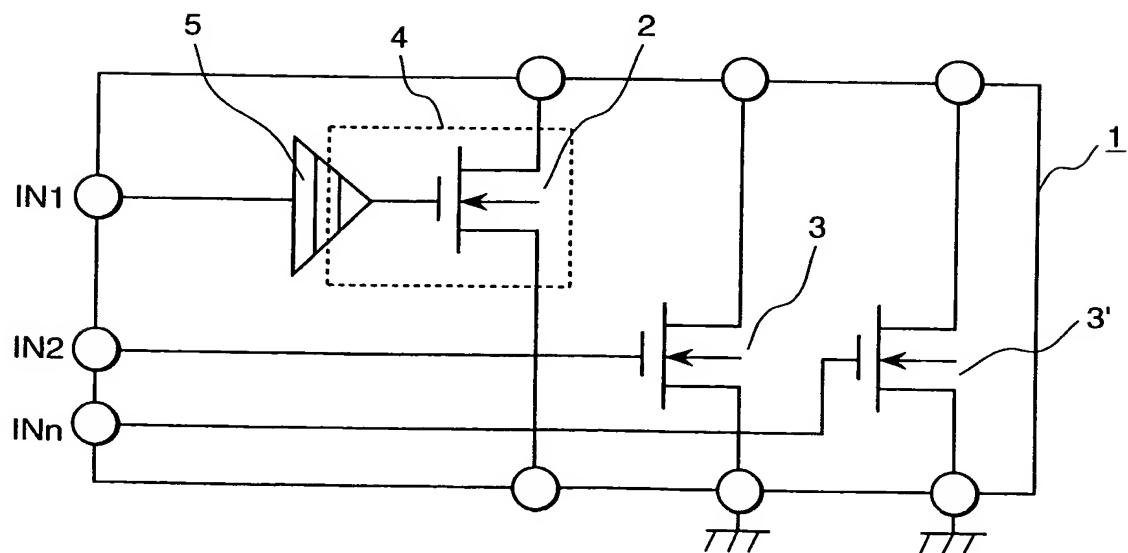


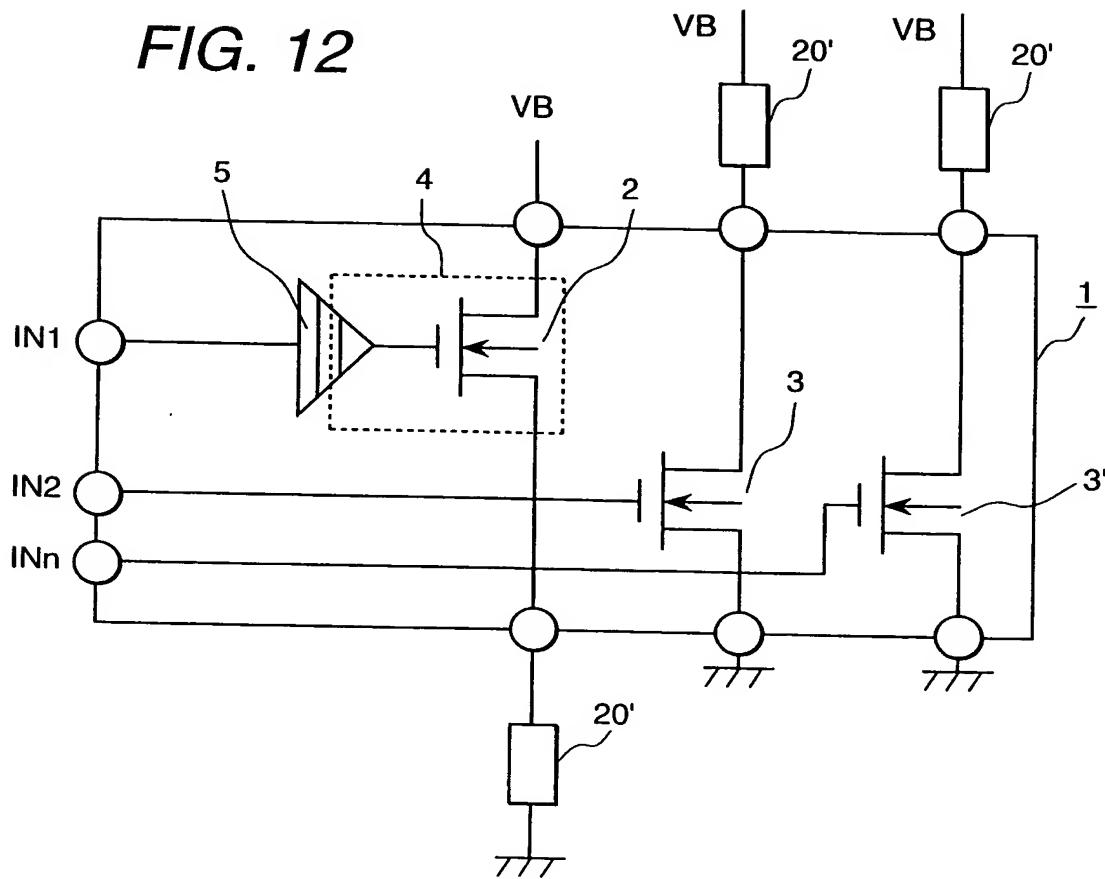
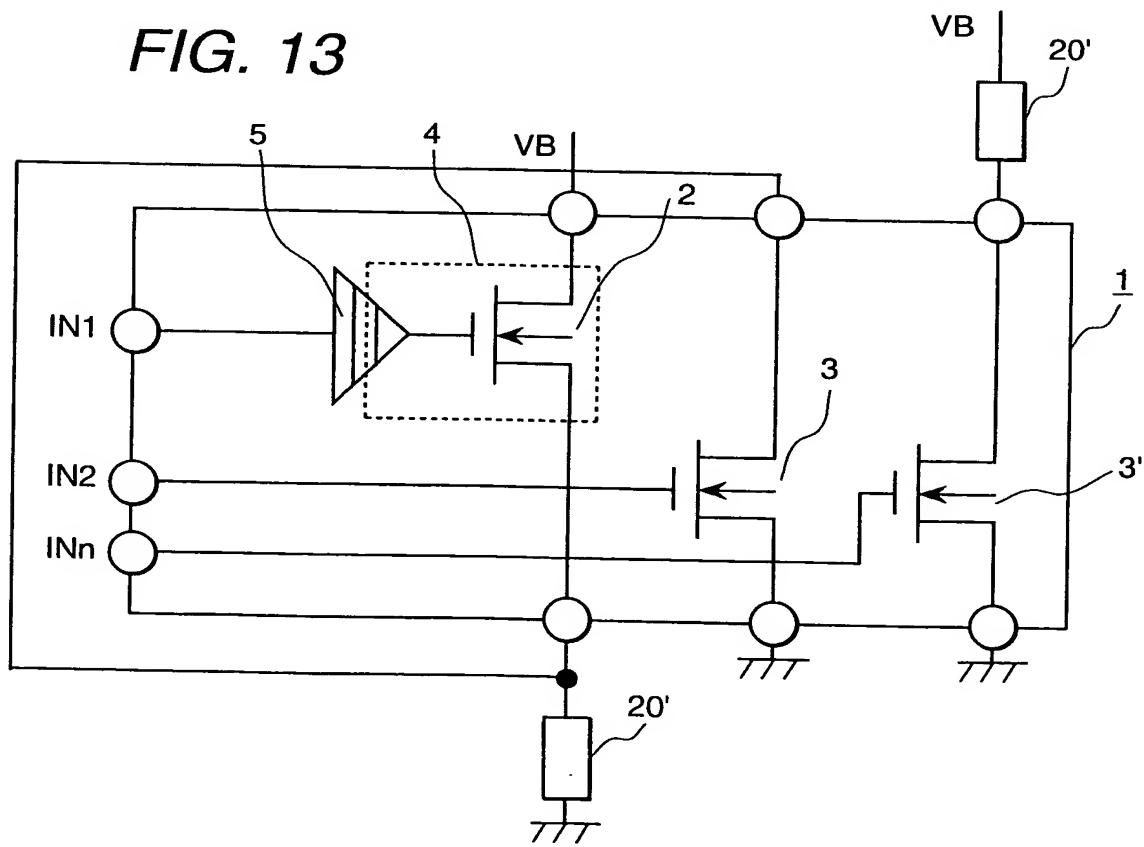
***FIG. 1******FIG. 2***

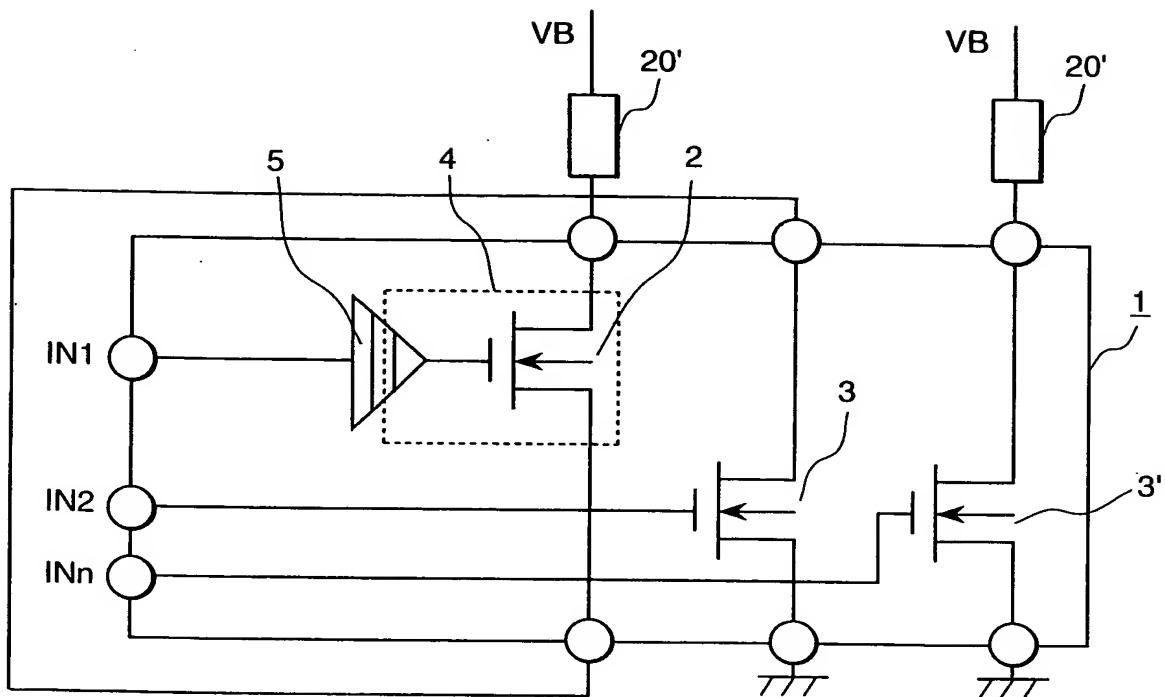
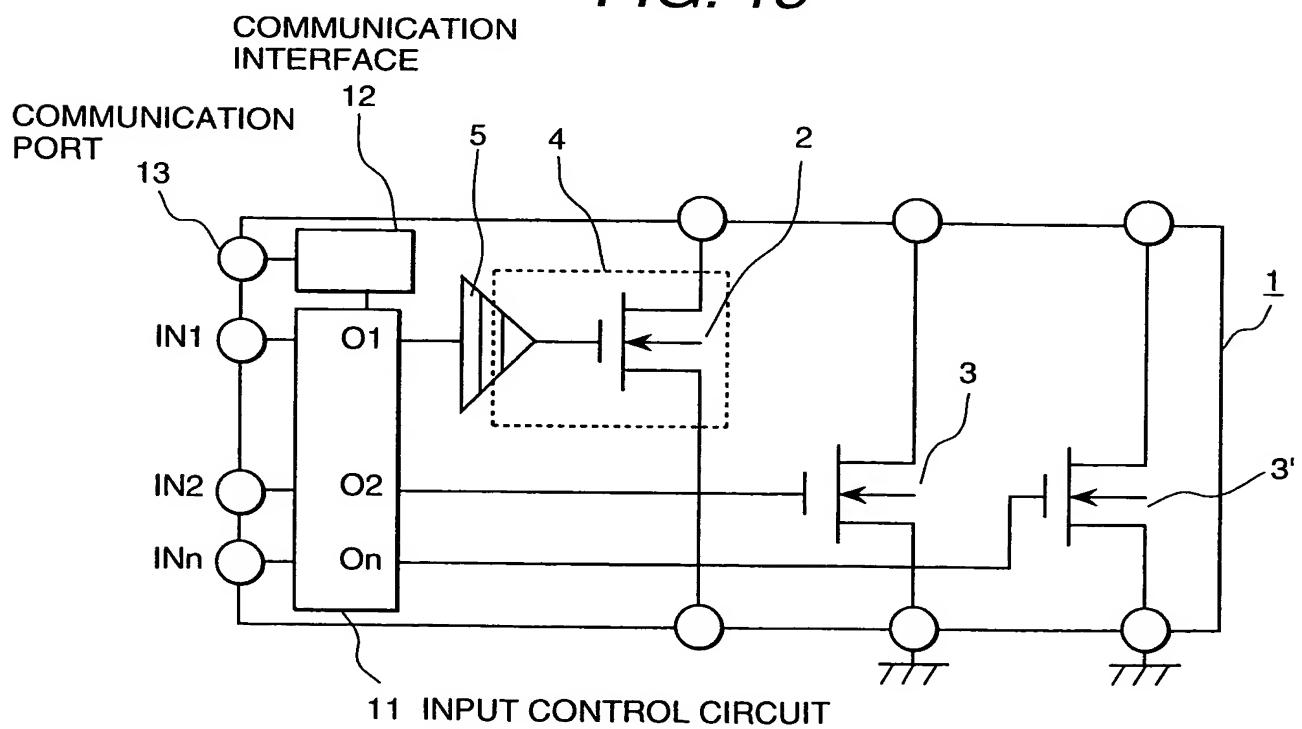
*FIG. 3**FIG. 4*

**FIG. 5****FIG. 6****FIG. 7**

*FIG. 8**FIG. 9*

***FIG. 10******FIG. 11***

*FIG. 12**FIG. 13*

***FIG. 14******FIG. 15***

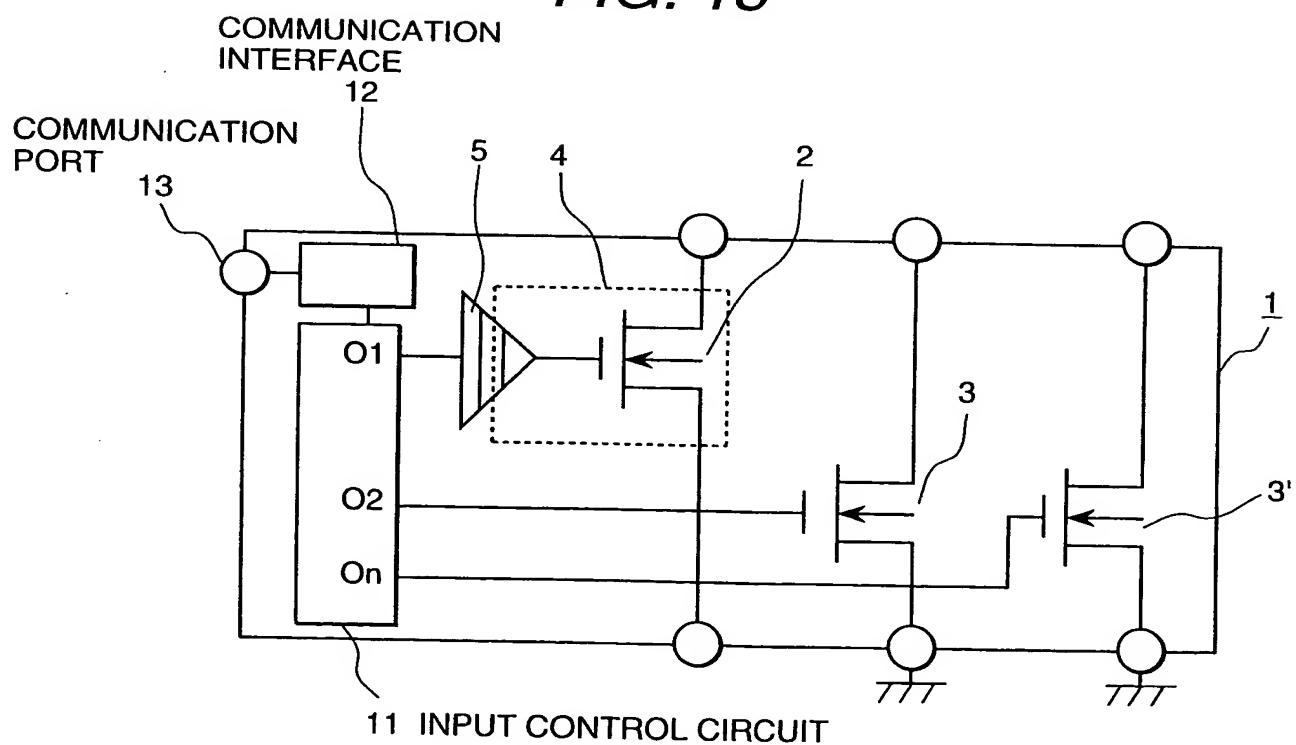
11 INPUT CONTROL CIRCUIT

**FIG. 16**

IN1	IN2	O1	O2
L	L	L	L
L	H	L	H
H	L	H	L
H	H	L	L

**FIG. 17**

IN1	O1	O2
L	L	L
H	H	H

**FIG. 18**

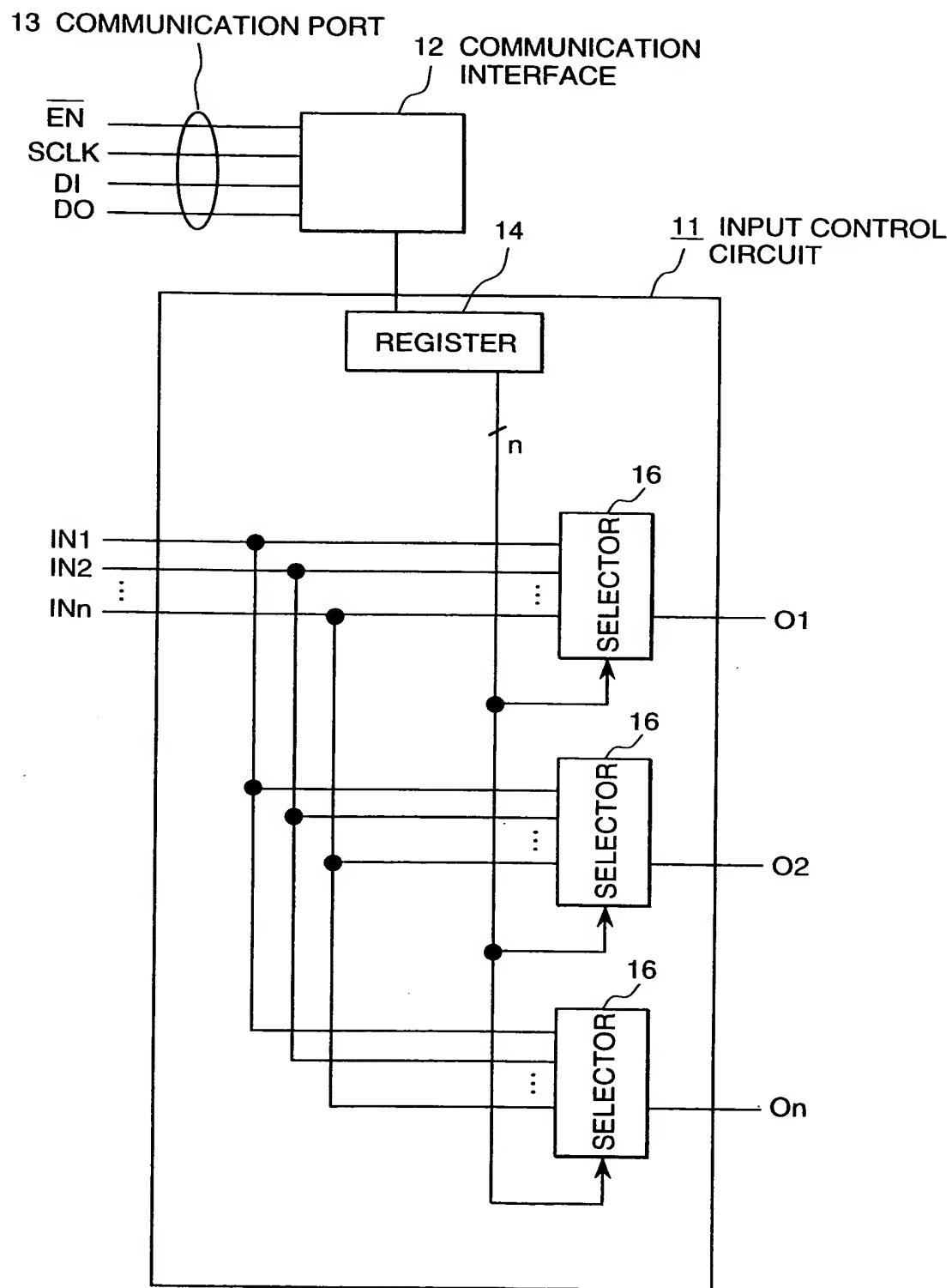
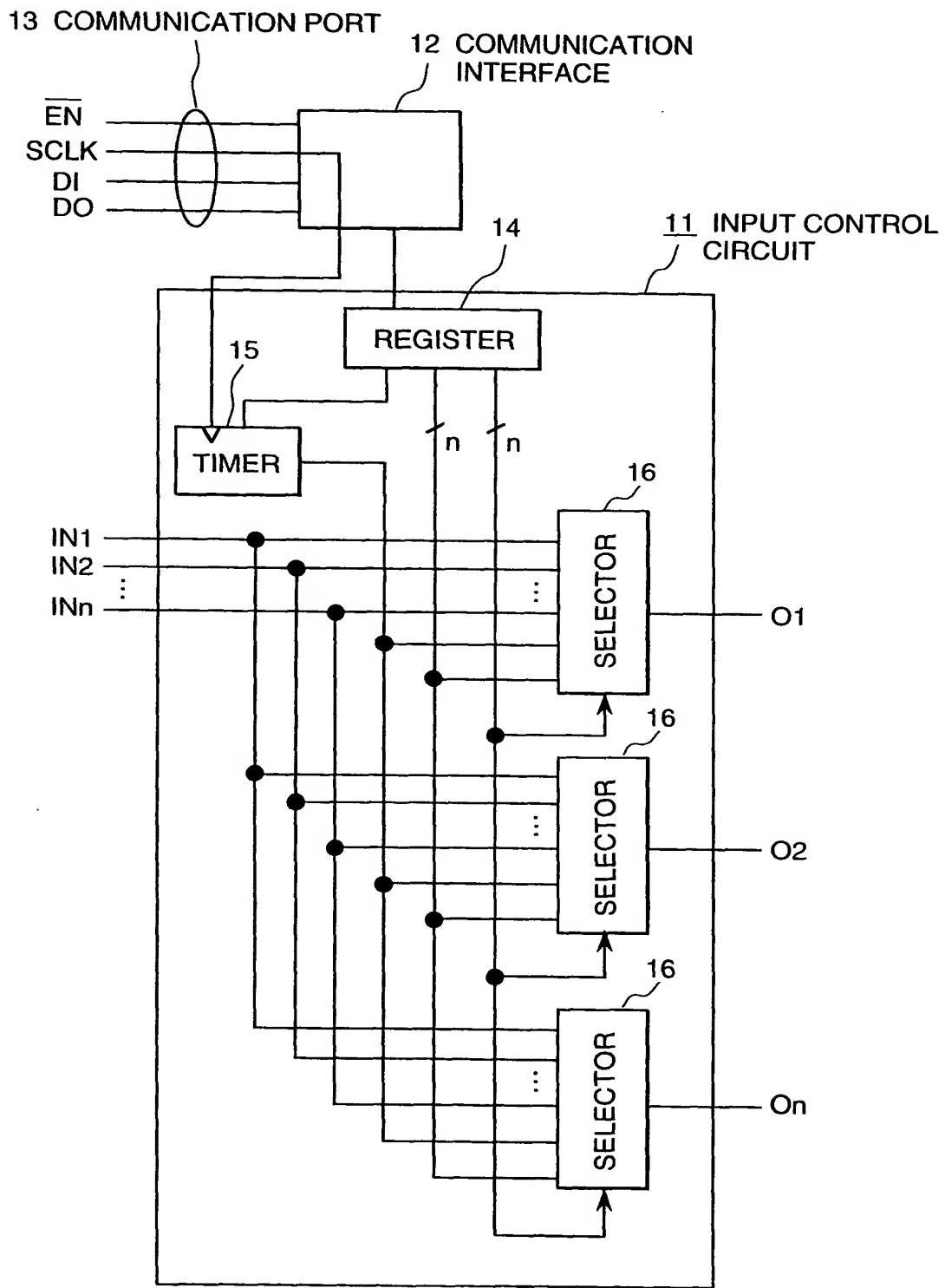
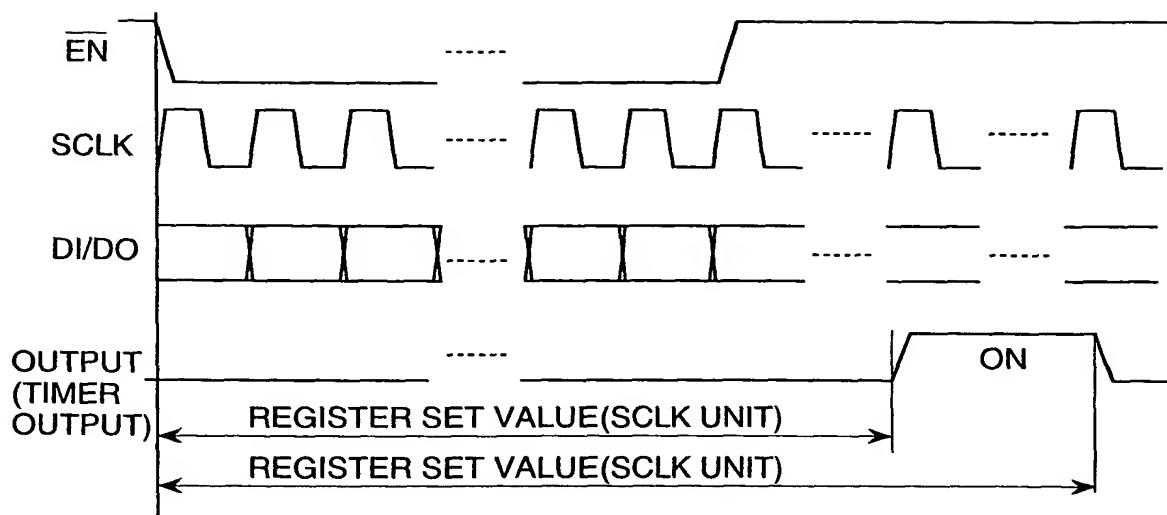
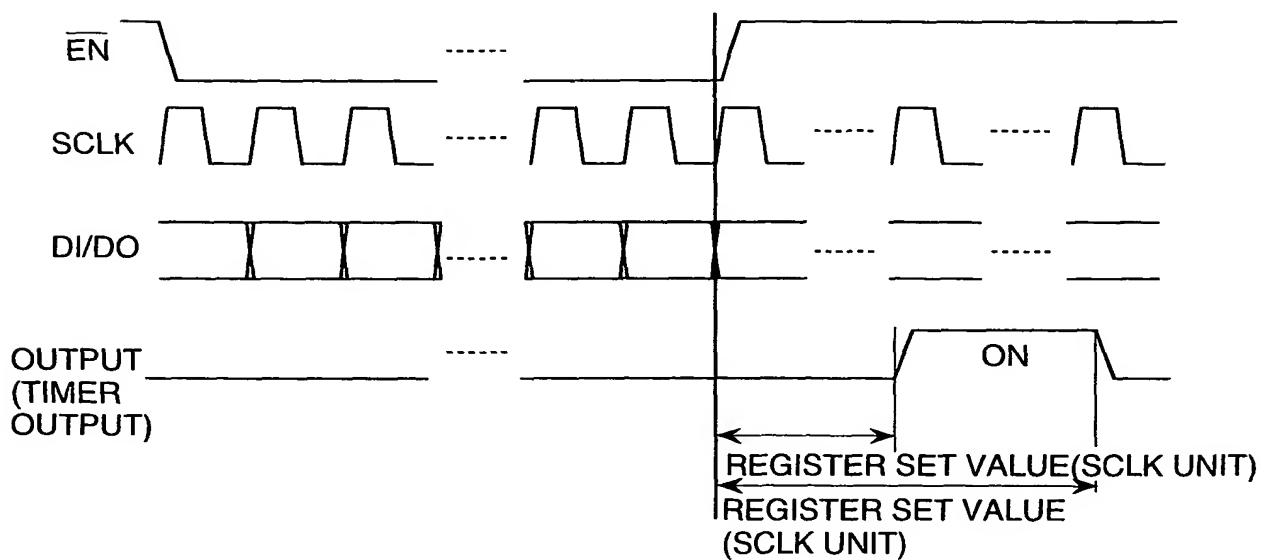
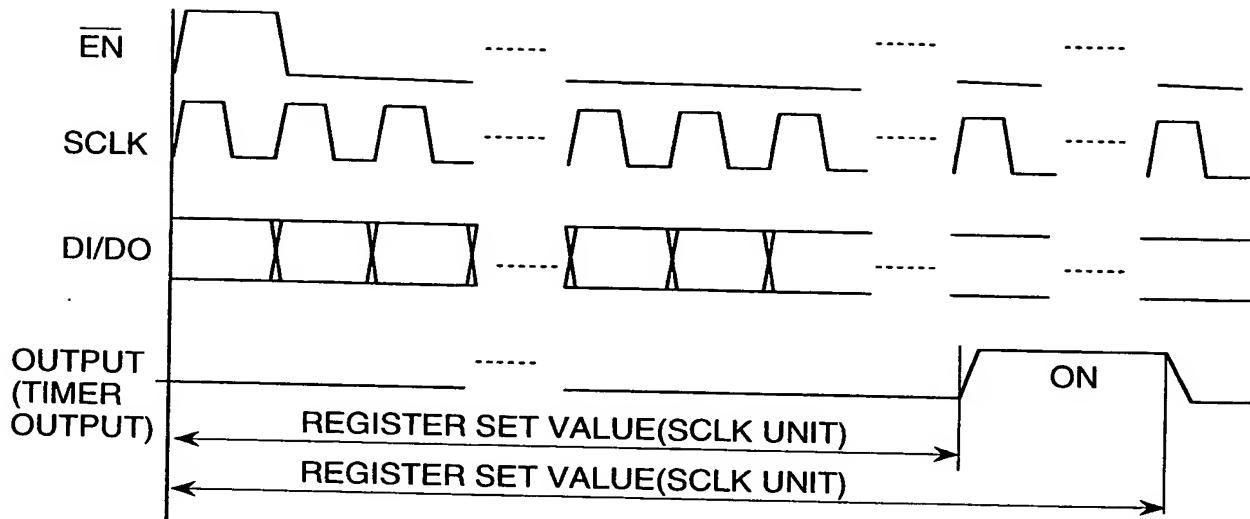
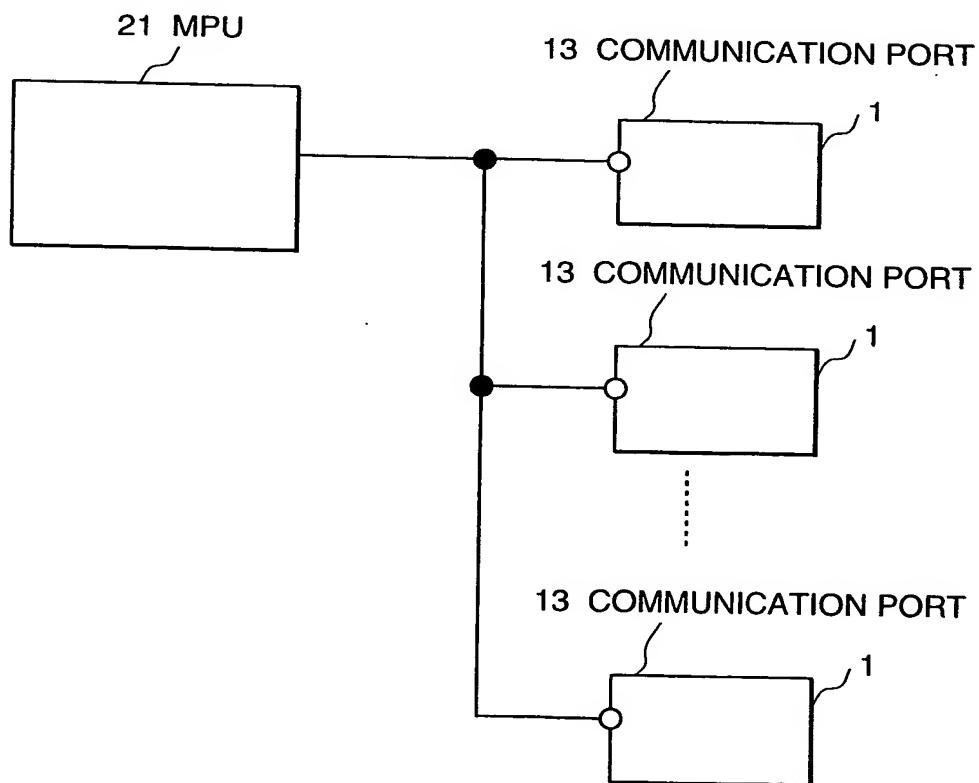
**FIG. 19**

FIG. 20



***FIG. 21******FIG. 22***

***FIG. 23******FIG. 24***

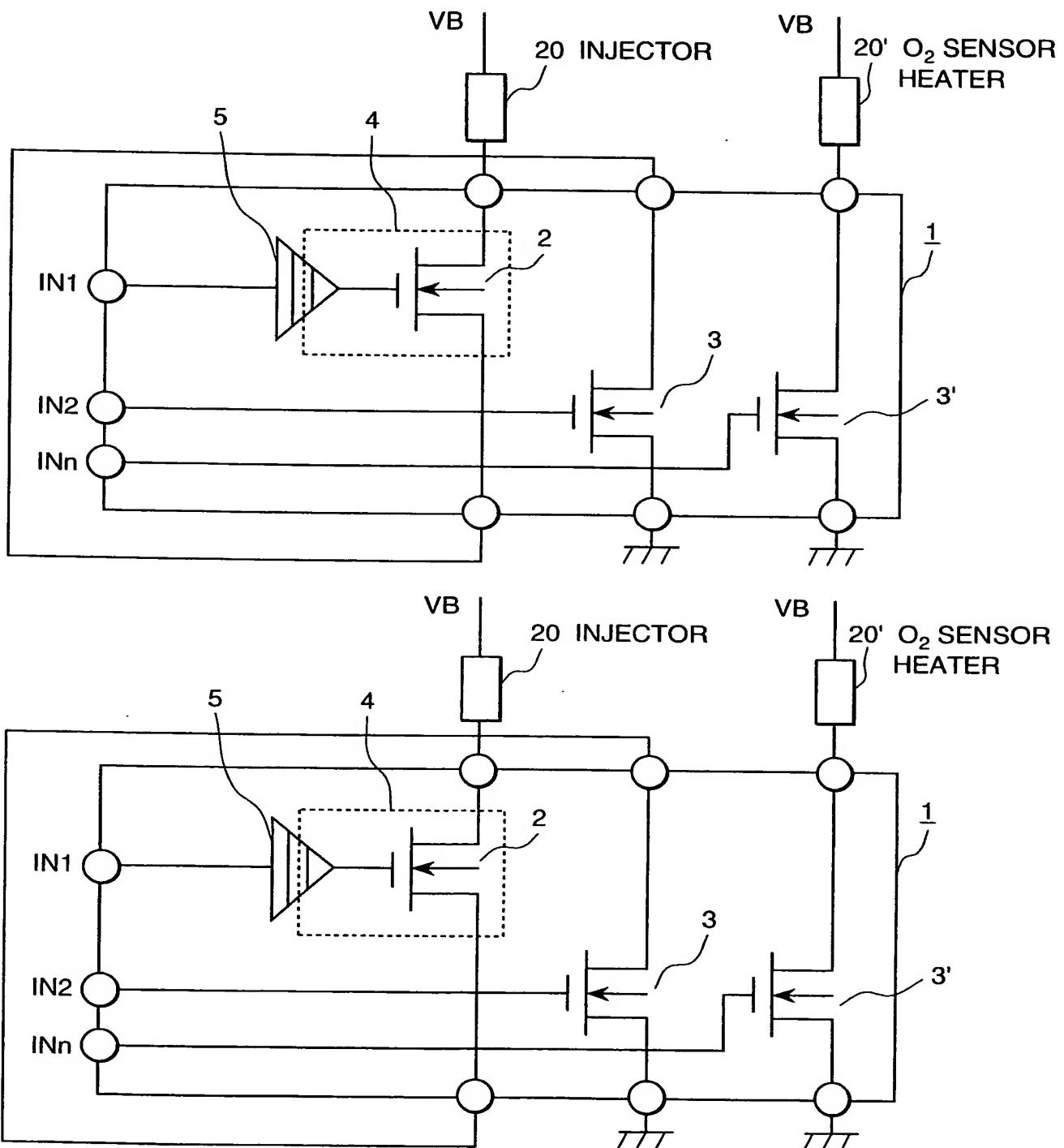
***FIG. 25***

FIG. 26

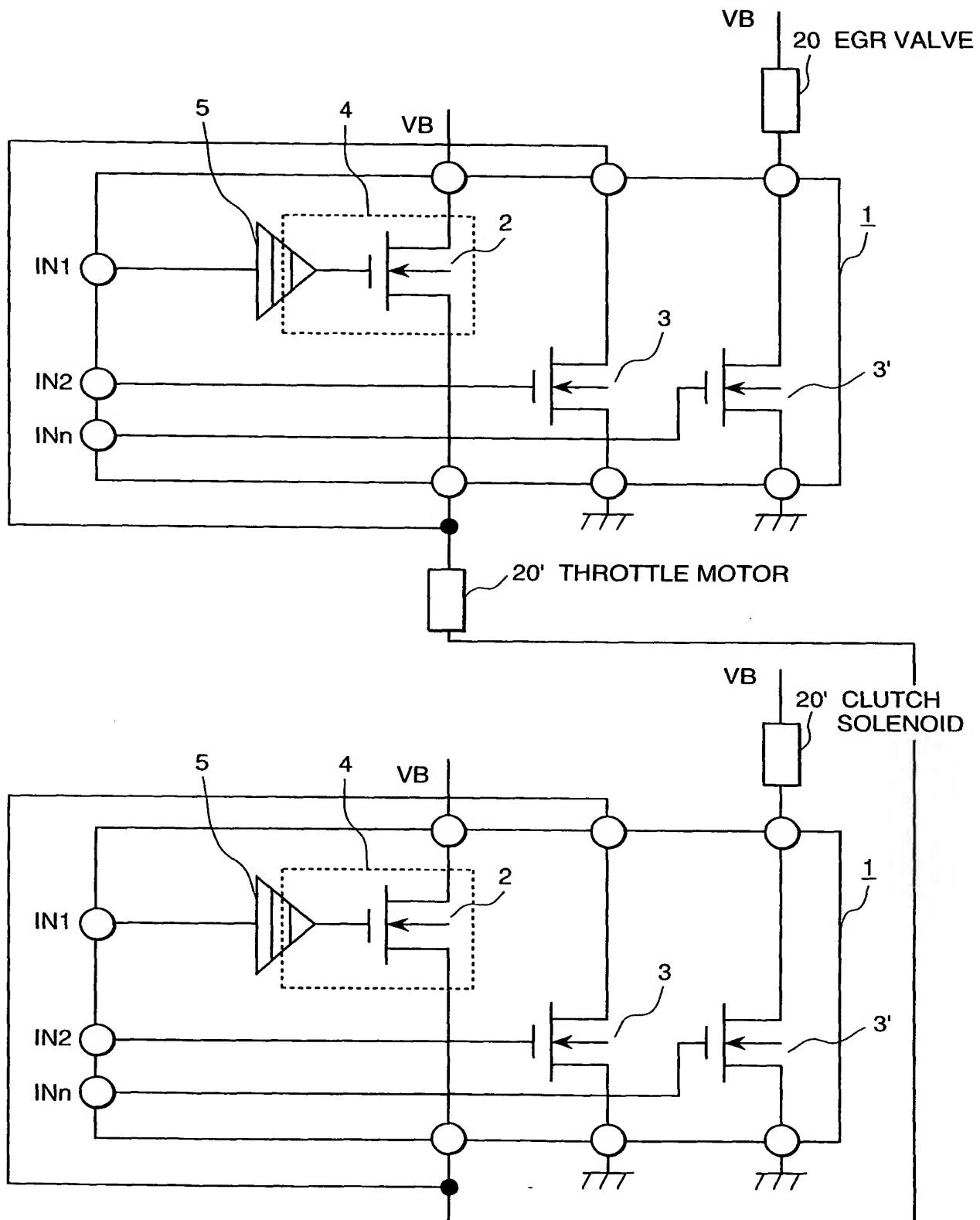


FIG. 27

LSI	CHAN- NEL	WITHSTAND VOLTAGE	ON RESISTANCE	USE			
				FOR 4 CYLINDERS	FOR 6 CYLINDERS	FOR 8 CYLINDERS	
1	1a	40V	80V	0.3Ω	0.6Ω	INJECTOR 1	
	1b	40V		0.3Ω		INJECTOR 1	
	2a	40V	80V	0.3Ω	0.6Ω	INJECTOR 2	
	2b	40V		0.3Ω		INJECTOR 2	
	3a	40V	80V	0.3Ω	0.6Ω	INJECTOR 3	
	3b	40V		0.3Ω		INJECTOR 3	
	4a	40V	80V	0.3Ω	0.6Ω	INJECTOR 4	
	4b	40V		0.3Ω		INJECTOR 4	
	5a	40V	80V	0.3Ω	0.6Ω	LOW PRES. LOAD	
	5b	40V		0.3Ω		INJECTOR 5	
	6a	40V	80V	0.3Ω	0.6Ω	LOW PRES. LOAD	
	6b	40V		0.3Ω		INJECTOR 6	
2	7~n	40V	0.3Ω		LOW PRES. LOAD	LOW PRES. LOAD	
	1a	40V	80V	0.3Ω	0.6Ω	INJECTOR 5	
	1b	40V		0.3Ω			
	2a	40V	80V	0.3Ω	0.6Ω		
	2b	40V		0.3Ω			
	3a	40V	80V	0.3Ω	0.6Ω		
	3b	40V		0.3Ω			
	4a	40V	80V	0.3Ω	0.6Ω		
	4b	40V		0.3Ω			
	5a	40V	80V	0.3Ω	0.6Ω		
	5b	40V		0.3Ω			
	6a	40V	80V	0.3Ω	0.6Ω		
	6b	40V		0.3Ω			
	7~n	40V	0.3Ω			LOW PRES. LOAD	

FIG. 28

LSI	CHAN- NEL	WITHSTAND VOLTAGE	ON RESISTANCE	USE		
				FOR 4 CYLINDERS	FOR 6 CYLINDERS	FOR 8 CYLINDERS
1	1	80V	0.6Ω	INJECTOR 1	INJECTOR 1	INJECTOR 1
	2	80V	0.6Ω	INJECTOR 2	INJECTOR 2	INJECTOR 2
	3	80V	0.6Ω	INJECTOR 3	INJECTOR 3	INJECTOR 3
	4	80V	0.6Ω	INJECTOR 4	INJECTOR 4	INJECTOR 4
	5a	40V	80V	0.3Ω	LOW PRES. LOAD	LOW PRES. LOAD
	5b	40V		0.3Ω	LOW PRES. LOAD	
	6a	40V	80V	0.3Ω	LOW PRES. LOAD	LOW PRES. LOAD
	6b	40V		0.3Ω	LOW PRES. LOAD	
	7~n	40V	0.3Ω	LOW PRES. LOAD	LOW PRES. LOAD	LOW PRES. LOAD
	1	80V	0.6Ω			INJECTOR 5
2	2	80V	0.6Ω			INJECTOR 6
	3	80V	0.6Ω			INJECTOR 7
	4	80V	0.6Ω			INJECTOR 8
	5a	40V	80V	0.3Ω		LOW PRES. LOAD
	5b	40V		0.3Ω		
	6a	40V	80V	0.3Ω		LOW PRES. LOAD
	6b	40V		0.3Ω		
	7~n	40V	0.3Ω			LOW PRES. LOAD

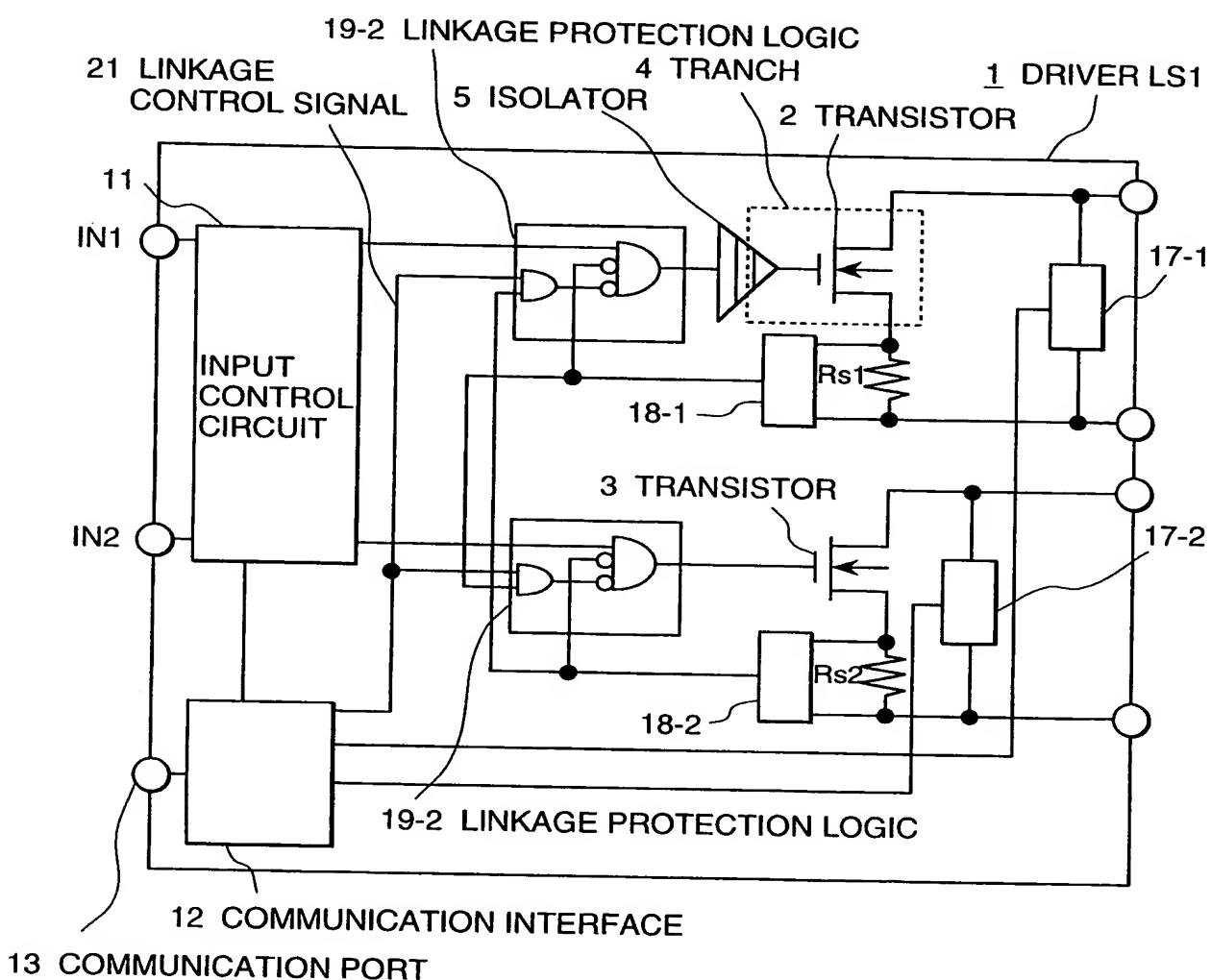
FIG. 29

LSI	CHAN- NEL	WITHSTAND VOLTAGE	USE		
			FOR 4 CYLINDERS	FOR 6 CYLINDERS	FOR 8 CYLINDERS
1	1	400V	IGNITER 1	IGNITER 1	IGNITER 1
	2	400V	IGNITER 2	IGNITER 2	IGNITER 2
	3	400V	IGNITER 3	IGNITER 3	IGNITER 3
	4	400V	IGNITER 4	IGNITER 4	IGNITER 4
	5a	40V	LOW PRES. LOAD	IGNITER 5	LOW PRES. LOAD
	5j	40V	LOW PRES. LOAD		LOW PRES. LOAD
	6a	40V	LOW PRES. LOAD		LOW PRES. LOAD
	6j	40V	LOW PRES. LOAD	IGNITER 6	LOW PRES. LOAD
	7~n	40V	LOW PRES. LOAD		LOW PRES. LOAD
2	1	400V			IGNITER 5
	2	400V			IGNITER 6
	3	400V			IGNITER 7
	4	400V			IGNITER 8
	5a	40V			LOW PRES. LOAD
	5j	40V			LOW PRES. LOAD
	6a	40V			LOW PRES. LOAD
	6j	40V			LOW PRES. LOAD
	7~n	40V			LOW PRES. LOAD

FIG. 30

LSI	CHAN- NEL	WITHSTAND VOLTAGE	ON RESISTANCE	USE		
				14 (12) V SYSTEM	42V SYSTEM	MIXED BOTH SYSTEMS
1	1a	40V	80V	0.3Ω	14 (12) V SYSTEM LOAD	42V SYSTEM LOAD
	1b	40V		0.3Ω	14 (12) V SYSTEM LOAD	
	2a	40V	80V	0.3Ω	14 (12) V SYSTEM LOAD	42V SYSTEM LOAD
	2b	40V		0.3Ω	14 (12) V SYSTEM LOAD	
	3a	40V	80V	0.3Ω	14 (12) V SYSTEM LOAD	42V SYSTEM LOAD
	3b	40V		0.3Ω	14 (12) V SYSTEM LOAD	
	4a	40V	80V	0.3Ω	14 (12) V SYSTEM LOAD	42V SYSTEM LOAD
	4b	40V		0.3Ω	14 (12) V SYSTEM LOAD	
	⋮					
na	40V	80V	0.3Ω	14 (12) V SYSTEM LOAD	42V SYSTEM LOAD	14 (12) V SYSTEM LOAD
	nb		0.3Ω	0.6Ω	14 (12) V SYSTEM LOAD	14 (12) V SYSTEM LOAD

FIG. 31



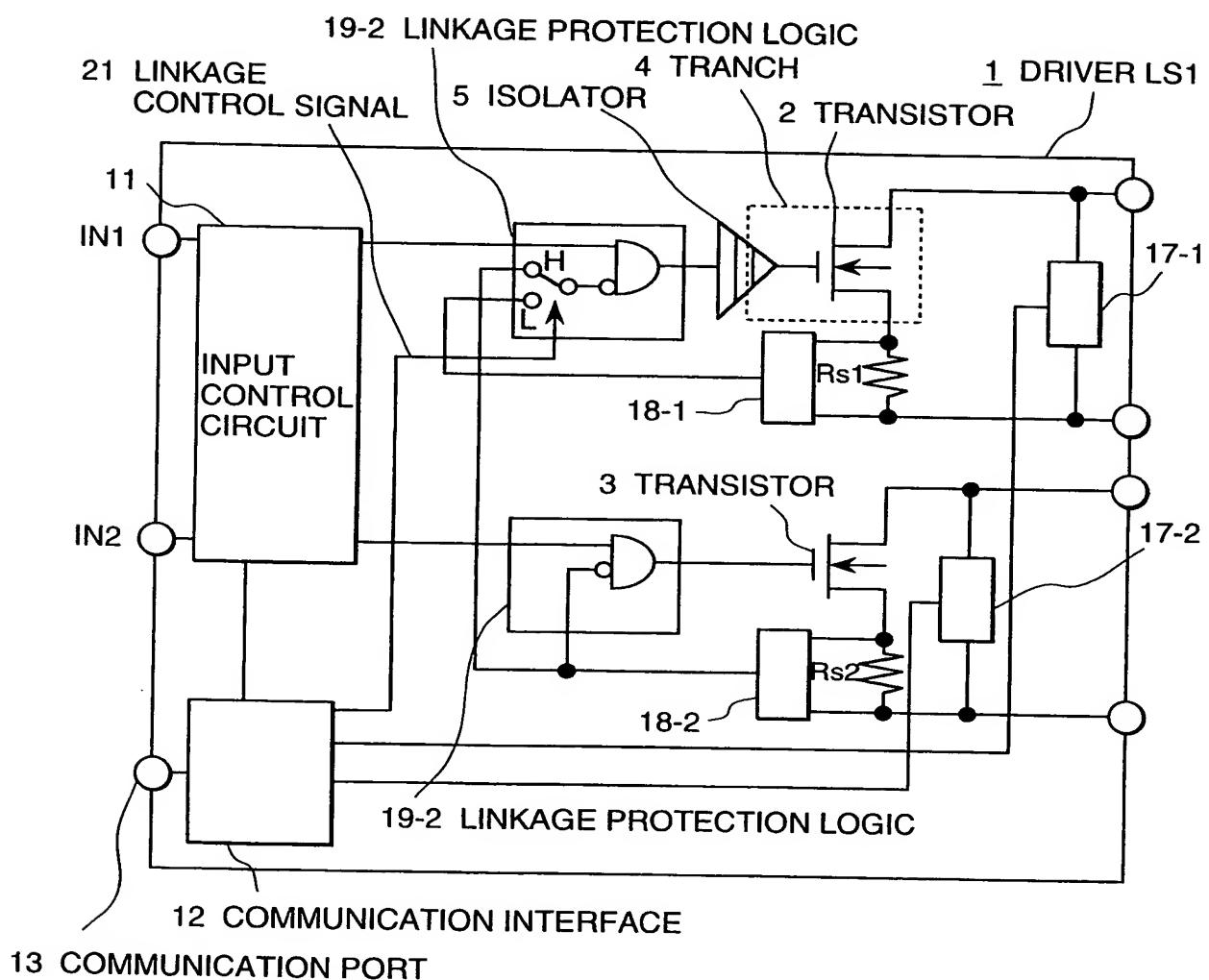
***FIG. 32***

FIG. 33

